

Alvaston & Boulton District Council.



FOURTEENTH

Annual Report

FOR THE YEAR 1896.

Medical Officer of Health:

WM. HY. WRIGHT,

L.R.C.P., M.L., Irel.; M.R.C.S., Eng.; L.S.A., Lond.

Deputy Medical Officer of Health:

AUBREY JOHNSON,

L.R.C.P., L.R.C.S., Edin.; L.F.P.S., Glasgow.



DERBY:

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CLEVELAND HOUSE,
DERBY, JANUARY 14TH, 1897.

*To the Chairman and Members of the
Alvaston & Boulton District Council.*

GENTLEMEN,

I have the honour to submit to you my Fourteenth Annual Report. During the year 1896, the deaths of 46 persons (males, 23 ; females, 23) have been registered in your district, giving a death rate of 11·9 per thousand for the year. During the same period, the births of 54 males and 80 females (together 134) have been registered in the district ; the birth rate for the year has accordingly been 34·8 per thousand.

It will be observed that there is a marked decrease in the death rate as compared with last year. The death rate for 1895 being 16· per thousand ; and in 1894 12· per thousand ; and in 1893 14·7 per thousand.

Population—Census	...	April, 1881	...	...	1,506
"	"	...	April, 1891	...	3,116
"	Estimated	June, 1892	...	...	3,412
"	"	...	June, 1893	...	3,670
"	"	...	June, 1894	...	3,750
"	"	...	June, 1895	...	3,780
"	"	...	June, 1896	...	3,840

The Local Government Board require the death rate to be returned according to the estimated population, June, 1896. You will notice in the appended Table A :—Firstly—that the deaths under one year are twenty, against fifteen last year, and eight the year before. Secondly—there are four deaths from consumption, against five last year, and six the year before. Thirdly—there were twenty-three deaths between the ages of one and five years, against twenty-one last year, and thirteen the year before.

Three of the deaths recorded were due to old age (two males and one female). Their combined ages amounting to 244 years, giving each an average of 81 years.

There were thirteen deaths over 65 years of age, seven of which were over 70 years, against eight last year, with an aggregate age amounting to 544 years. The youngest death registered was 12 hours, the oldest, 85 years.

Table of Deaths for the years 1896, 1895, and 1894.

NAMES OF DISEASES.	1896.	1895.	1894.
Cerebral Hemorrhage	1	—	—
Umbilical Hemorrhage	—	—	1
Tumour of the Liver	2	—	—
Senile Gangrene	1	—	—
Bright's Disease	—	2	1
Cancer	1	1	1
Senile Decay (Old Age)	3	3	4
Cyanosis (Malformation of the Heart) ..	—	1	—
Bronchitis	6	13	6
Heart Disease	3	1	6
Apoplexy	—	3	—
Pneumonia	—	1	—
Phthisis (Consumption)	4	5	6
Inanition (Weakly)	1	—	2
Convulsions	6	4	3
Marasmus	—	1	—
Premature Birth	1	—	—
Cystitis	1	—	—
Atrophy	2	1	—
Anæmia	—	1	—
Peritonitis	—	—	1
Tubercular Meningitis	—	—	—
Inquests	2	5	3
Spina Bifida	—	1	—
Tumour of the Brain	1	1	—
Meningitis	—	—	3
Enteritis	—	1	—
Pleurisy	—	—	1
Accident	—	—	—
Intestinal Abscess	—	—	1
Epilepsy	—	—	1
Addison's Disease	1	—	—
Tumour of Mediastinum	—	—	1
Intestinal Hepatitis	—	—	1
Eczema	—	1	—
Softening of the Brain	—	1	—
Neoplasia Maligna Intestinorum	1	—	—
Total ..	37	47	42

Table of Deaths from Zymotic Disease for the years 1896, 1895, and 1894.

NAMES OF DISEASES.	1896.	1895.	1894.
Influenza	—	1	—
Whooping Cough	—	5	—
Measles	6	1	—
Diarrhœa	3	5	—
Diphtheria	—	—	—
Typhoid Fever	—	1	2
Scarlet Fever	—	1	3
Total ..	9	14	5

NOTIFICATION OF INFECTIOUS DISEASE.

		1896.		1895.
Diphtheria	... ..	4	...	—
Scarlet Fever	... ..	3	...	30
Enteric Fever	... ..	12	...	3
Erysipelas	... ..	—	...	—
		—		—
Total	19			33

In giving details of the history of Zymotic Disease in the district, I have to state that during the past year we have had three cases of Scarlet Fever, against thirty last year.

There have been twelve cases of Enteric Fever during the year; no deaths. There have been three cases of Scarlet Fever notified, against 30 last year, 46 the year previously. The epidemic is apparently stamped out, and I trust before any further outbreak we shall have our new Infectious Hospital erected.

It is with pleasure that I have to announce a decreased Zymotic death rate. We have had nine deaths due to infectious disease, against fourteen last year. This was caused by an epidemic of Measles during the first two months of the year, causing six deaths; and an outbreak of Diarrhœa during the summer months, also causing three deaths—all children under five years of age. The Zymotic death rate 2.3, against 3.7 last year, 1.3 in 1894, and 2.1 in 1893.

In taking a review of the past year there is much cause for congratulation. The district has been systematically visited, also special visits made immediately upon the outbreak of any Infectious Disease. There has also been a monthly visit paid to each school, and the Sick Log examined.

I have also received from the County Medical Officer of Health a weekly return of fresh cases of Infectious Diseases notified by Medical Officers of Health throughout the county, and have sent a weekly return giving particulars of fresh cases in the Alvaston and Boulton District. This is invaluable in showing at a glance the early approach of any Infectious sickness.

I am pleased to say the "Notification of Diseases Act" has continued to work smoothly, and I have not had a single complaint. Every house I have visited I have been received with the greatest courtesy.

REVIEW OF MONTHLY REPORTS.

JANUARY.

I regret to say the Public Health has not been satisfactory. Six deaths reported; Influenza and Throat Affections prevalent; four cases of Diphtheretic Throat notified. I regret to report a serious outbreak of Measles at Allenton. On January 9th, the school attendance was 60 out of 178; on January 30th, 39 out of 178; I then gave an order for the schools to be closed forthwith. In case of any outbreak of Diphtheria, I received instructions from the County Medical Officer of Health that a Bacteriological examination of the suputor could be obtained free of cost.

FEBRUARY.

Five deaths reported, four of these deaths being due to Measles. I pointed out to the Board the great importance of having Measles notified. Had such been the case, we should have been spared the terrible epidemic, and the consequent loss of four lives. Let me again strongly urge the Board to adopt notification of Measles.

MARCH.

Six deaths reported, two due to Measles. The epidemic appears to be stamped out. I gave permission for the schools to be re-opened, March 16th, 1896.

APRIL.

Three deaths reported; also an outbreak of Typhoid Fever at Crewton. Eight cases notified in the same yard. Cause:—Well water polluted with sewage.

MAY.

Three deaths reported. I reported that the outbreak of Typhoid Fever was a thing of the past, owing to the prompt measures taken. No deaths. School attendance excellent. Will compare most favourably with any village in the United Kingdom.

JUNE.

Three deaths reported. One case of Typhoid notified—probably imported. Surroundings satisfactory. School attendance excellent.

JULY.

Two deaths reported. I have to report one case of Scarlet Fever, notified by my partner (Dr. Johnston), at Crewton. Child attended school outside the district. Probably imported case.

AUGUST.

Four deaths reported. One from Diarrhoea, which is more or less prevalent at this season of the year. Case of Scarlet Fever notified, occurring in the same house as the one previously reported. Both cases are now well, and no further outbreak. I also reported slight outbreak of Measles at Alvaston.

SEPTEMBER.

Four deaths reported. Case of Typhoid Fever at Allenton notified, afterwards found to be a mistake. School attendance excellent.

OCTOBER.

One death reported. Lowest death rate recorded. 13 per thousand per annum. This death was caused by Diarrhoea. Case of Scarlet Fever notified. Contracted at Ticknall, where Scarlet Fever is very prevalent. Sent home.

NOVEMBER.

Six deaths reported, three of the deaths being due to diseases of the chest.

DECEMBER.

Three deaths reported. Case of Typhoid Fever notified. Public health most satisfactory. Death rate 10.3 per thousand. Very low for this period of the year.

During the summer months, I drew the attention of the Board that Diarrhoea was more or less prevalent in the district, and care should be taken to report any case of *Choleric* Diarrhoea, with a view to prevent the spread of Cholera, should it make its *appearance* in Derbyshire. We had three deaths from Diarrhoea, against five deaths last year, and no deaths in 1894, two in 1893, one in 1892, and three in 1891.

I must now revert to the Water Supply of the District, and it is again most satisfactory to find that not a single case of Diphtheria has been reported from Allenton, the district in

which in 1892 the water, after analysis, was found to be contaminated with sewage and unfit for drinking purposes. The public health of Allenton is very satisfactory—one case of Typhoid Fever notified; Measles were prevalent during the first two months of the year, necessitating the schools being closed. The school attendance, under the new arrangement, is most satisfactory, and the discipline excellent.

I have been complimented by the County Medical Officer of Health respecting my visits to the School examination of the Sick Log; this does not really form part of my duty, only it has been most helpful to me in ascertaining the state of the public health.

I should feel that this report was not complete were I not to mention the courtesy and assistance I have received from Dr. Barwise (the County Medical Officer of Health), and Drs. Ashby and Turpin (the resident Medical Practitioners), and also the valuable help I received from my colleagues. In reviewing the work of the year, I may say that progress has been made and useful Sanitary work accomplished. I shall continue to co-operate with the County Medical Officer of Health so that I may be timely warned of the approach of any epidemic. Trusting that my efforts have met with your approval,

I remain, Gentlemen,

Your obedient Servant,

W. H. WRIGHT,

Medical Officer of Health.

AUBREY JOHNSTON,

Deputy Medical Officer of Health.

DEATHS DURING THE YEAR 1896 CLASSIFIED
ACCORDING TO DISEASES AND AGES.

TABLE A.

Mortality from all causes, at subjoined ages:—

Under 1 year of age	20
1 and under 5 years of age	3
5 " 15 "	—
15 " 25 "	3
25 " 65 "	7
65 and upwards	13

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Mortality from subjoined causes, distinguishing Deaths of
Children under Five years of age and upwards:—

	Under Five.	Five and Upwards.
Whooping Cough	...	—
Measles	6
Scarlet Fever	...	—
Typhoid Fever	...	—
Diarrhœa	...	3
Phthisis	4
Influenza	...	—
Bronchitis, Pneumonia, and Pleurisy	3	3
Heart Disease	...	3
All other Diseases	...	11
Total	...	23

TABLE B.

New Cases of Sickness in each locality, coming to the know-
ledge of the Medical Officer of Health:—

	Under Five	Five and Upwards.
Scarlatina	...	3
Diphtheria	...	2
Enteric Fever	...	9
Erysipelas	...	—
Diarrhœa	...	3
Whooping Cough	...	—
Measles	6
Influenza	...	—
Total	...	14
Diarrhœa (notified)	...	19
Measles (not notified)	...	9

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TABLE C.

Summary of Sanitary work done in the Inspector of Nuisances' Department during the year 1896, in the Derbyshire portion of the Urban Sanitary District of Alvaston and Boulton.

	Inspections. Observations made.	Informal Notices served by Inspector.	Legal Notices by Authority.	Nuisances Abated after Notice.
Foul Conditions—Dwelling-				
Houses	2	2	1	—
Ashpits and Privies	106	106	—	106
Deposits of Refuse and Manure	5	5	—	5
Defective Traps	4	4	—	4
Water Supply	3	3	—	3
Cow Sheds	—	—	—	—
Pigsties... ..	6	6	—	6
Slaughter Houses	1	1	—	1
Animals improperly kept ...	—	—	—	—
Drains blocked... ..	13	13	—	13
Other Nuisances	11	11	—	11
	—	—	—	—
Total	151	151	1	151
Precaution against Infectious Diseases } District Disinfected Weekly.				
Houses Disinfected after Infectious Disease				5
Schools Disinfected after „ „				2
				—
Total				7

Re SCAVENGING.

We have no Sanitary Rate. The owners or occupiers cleanse the closets and ashpits as required.

